

**MARY E. GELLENS, M.D.**  
Curriculum Vitae

**CURRENT POSITION:** Associate Professor of Internal Medicine  
Division of Nephrology  
St. Louis University Health Sciences Center  
St. Louis, MO

**EDUCATION:** A.B., Smith College, Northampton, MA  
  
M.D., University of Florida School of Medicine  
Gainesville, FL

**POST DOCTORAL  
TRAINING:** Internship in Internal Medicine  
Jewish Hospital at Washington University  
School of Medicine, St. Louis, MO  
  
Residency in Internal Medicine  
Jewish Hospital at Washington University  
School of Medicine, St. Louis, MO  
  
Fellowship in Nephrology  
University of Pennsylvania School of Medicine  
Philadelphia, PA

**ACADEMIC  
APPOINTMENTS:** Clinical Instructor of Internal Medicine  
Jewish Hospital at Washington University  
School of Medicine, St. Louis, MO

**HOSPITAL  
APPOINTMENTS:** Attending, Emergency Department  
Jewish Hospital at Washington University  
School of Medicine, St. Louis, MO

Attending, St. Louis University  
Health Sciences Center, St. Louis, MO

Staff Physician, John Cochran Veteran's  
Administration Hospital, St. Louis, MO

Attending, St. Elizabeth's Medical Center  
Granite City, IL

Consulting Attending, St. Mary's Hospital  
East St. Louis, IL

Attending, St. Mary's Health Center  
St. Louis, MO

Medical Director, Southwest Illinois  
Regional Dialysis Center, Renal Treatment  
Centers, Granite City, IL

Medical Director, St. Louis Renal Care  
Out Patient Dialysis Unit of St. Louis University  
St. Louis, MO

Medical Director, Dialysis Services  
St. Louis University Health Sciences Center  
St. Louis, MO

BOARD  
CERTIFICATION:

American Board of Internal Medicine  
Recertification, American Board of Internal Medicine  
Subspecialty Board, Nephrology  
Recertification, Subspecialty Board Nephrology

HONORS AND  
AWARDS:

Cum Laude Graduate, Smith College, Northampton, MA  
Research Award for Graduate Study, Smith College  
Pharmacology Department Award, University of Florida  
DANA Fellowship (2 years) Post-Doctoral Research,  
University of Pennsylvania School of Medicine

Selected as one of the “Best Doctors in America 2002”  
Faculty Development Award, Saint Louis University, 2003

PROFESSIONAL  
MEMBERSHIPS:

American College of Physicians  
American Association for the Advancement of Science  
American Society of Nephrology  
International Society of Nephrology  
National Kidney Foundation  
National Kidney Foundation, Local Chapter of Eastern Missouri  
And Metro East:  
President, Scientific Advisory Board 1995-1996  
Secretary, Scientific Advisory Board 1994-1995  
European Renal Association  
American Heart Association: Kidney Council  
Member, Executive Committee End Stage Renal Disease Network #12  
Coordinating Council 1998-2000  
Vice Chair, Executive Committee End Stage Renal Disease Network  
#12 Coordinating Council, 2000-  
Missouri Kidney Program, Technical Review Committee

EDITORIAL  
RESPONSIBILITIES:

Reviewer, American Journal of Kidney Diseases  
Reviewer, Fellowship Grant Applications, National Kidney  
Foundation of Eastern Missouri, 1993-1996  
Reviewer, American Society of Nephrology Meeting Abstracts:  
Complications of Hemodialysis 1998  
Reviewer, Missouri Kidney Program Cost Containment Grant  
Applications, 2000  
Food and Drug Administration, Gastroenterology and Urology  
Devices Panel Member, 2001-present

INVITED LECTURES &

ACADEMIC ACTIVITIES: “Morbidity and Mortality in ESRD: The Effects of Adequacy.”  
Minisymposium-National Kidney Foundation, St. Louis, MO  
October 28, 1993  
  
“Mannitol and Other Types of Diuretic Use in the Neurosurgical  
Patient.” Neurosurgery Conference, St. Louis University  
November, 1993  
  
“Rhabdomyolysis.”  
Emergency Department Conference, St. Louis University

1993

“Wegener’s Granulomatosis.”

Internal Medicine Grand Rounds, St. Louis University  
January, 1994

“Management of Hemodialysis Access.”

Transplant Surgery Conference, St. Louis University  
October, 1994

“Scleroderma Renal Crisis.”

Rheumatology Conference, St. Louis University  
May, 1994

“Renovascular Hypertension.”

Internal Medicine Grand Rounds, St. Louis University  
April 1995

“Renal Vasculitis.”

Rheumatology Conference, St. Louis University  
May, 1996

“What Kidneys Are and What They Do.”

Patient Educational Seminar, National Kidney Foundation,  
St. Louis, MO  
April, 1997

“Contrast Nephropathy: The Science Behind the Practice.”

Internal Medicine Grand Rounds, St. Louis University  
May 1998

“Renal Clearance” and “The Proximal Tubule.”

Renal Physiology Course, Sophomore Medical Students  
St. Louis University Medical School, 1992-97

Junior Medical Student Preceptor

St. Louis University Medical School, 1993-94

“Chronic Renal Failure” Introduction to Clinical Medicine Course

St. Louis University Medical School, 1993-96

Master Clinician Course

St. Louis University Medical School, 1996-97

“Pathophysiology and Clinical Management of Hypertension.”  
Introduction to Clinical Medicine Course  
St. Louis University Medical School, 1998

“Transport of Solute and Water in the Proximal Tubule”  
Renal Medicine Medical Student Course  
St. Louis University Medical School, 1998-2003.

“Physiology and Pathophysiology of Edema Formation”  
Renal Medicine Medical Student Course  
St. Louis University Medical School, 1998-2001.

Planning Committee, Early Detection of Graft Malfunction,  
Minisymposium, National Kidney Foundation, St. Louis, MO  
March 1994

NIH Consensus Development Conference. Morbidity and Mortality of  
Dialysis. November, 1993.

Strategies for Influencing Outcomes in Pre-ESRD and ESRD patients.  
Washington, D.C. 1998.

Daily Dialysis, NIH Task Force. Washington, D.C. 2001.

## RESEARCH SUPPORT:

### Co-Investigator

Long Term Randomized, Double Blind, Multi-Center Trial to Compare  
Efficacy and Safety of 1, 25 Vitamin D plus 24,25 Vitamin D vs. 1,25  
Vitamin D3 plus placebo in Chronic Renal Failure Patients with Osteitis  
Fibrosa Cystica, Maintained on Chronic Hemodialysis. 1991-93.

### Co-Investigator

A randomized, double blind , placebo controlled, multi-center clinical  
trial to Assess Safety and Efficacy of Hypervax and Staph A vaccine in  
decreasing the incidence of Staph Aureus peritonitis and catheter site  
infections in subjects undergoing peritoneal dialysis. 1993-95

### Co-Investigator

The Effects of Normal vs. Anemic Hematocrit on Outcomes of Cardiac  
Disease in Dialysis Patients. 1993-1997



Co-Investigator

A randomized, double blind, placebo controlled multi-center Phase III Clinical Trial to evaluate the safety and efficacy of Auriculin Anartide in the treatment of Oliguric Acute Tubular Necrosis.

1995 -97

Co-Investigator

Phase III Study: A Twenty four week comparison between 19-nor-1 alpha, 25-dihydroxy vitamin D 2 and intravenous calcitriol.

1996-97

Co-Investigator

An Open Label, Dose Titration Study of RenaGel in Hemodialysis Patients. 1996.

Principal Investigator

An Extended Use Study of RenalGel in Hemodialysis Patients. 1997-98

Co-Investigator

Dose Response Study with Intravenous HMR 4396 in Anemic Patients with Chronic Renal Failure Requiring Hemodialysis.

1998-2000.

Principal Investigator

Crossover, Randomized, Blinded, Prospective, Multicenter clinical Evaluation of the Rate Of Adverse Events to Ferrlecit In Hemodialysis Patients as Compared to Placebo and Historical Controls.

1999-2001.

BIBLIOGRAPHY:

Gellens ME, George AL, Chen L, Chahine M, Horn R, Barchi RL, Kallen RG. The Human Cardiac Voltage Sensitive Sodium Channel: Primary Structure and Functional Expression. *PNAS* 89:554, 1992.

Farrell J, Gellens M. Ultrasound guided cannulation versus the landmark guided technique for acute hemodialysis access. *Nephrology, Dialysis and Transplantation* 12: 1234-37, 1997.

Farrell J, Walshe JJ, Gellens M, Martin KJ. Complications associated with the insertion of jugular venous catheters for hemodialysis: The value of the post procedural radiograph. *AJKD* 30(5): 690-2, 1997.

DeFranco P, Farrell J, Gellens M, Bastani B. Serum B2 microglobulin levels in patients chronically dialyzed with CA210 vs. CT 190 dialysis membranes. *Am J Nephrol* 18: 16-20, 1998

Martin KJ, Gonzalez EA, Gellens M, Hamm LL, Abboud H and Lindberg J. 19-Nor-1-alpha-25-dihydroxy D2 Safely and Effectively Reduces the Levels of Intact PTH in Patients on Hemodialysis. *JASN* 9: 1427-1432, 1998.

Bastani B, Galli D, Gellens ME. Cimetidine induced climacteric symptoms in a young man maintained on chronic hemodialysis. *Am J Nephrol* 18: 538-40, 1998.

Martin K, Gonzalez, Gellens M, Hamm Lee, Abboud H, Lindberg J. Therapy of Secondary Hyperparathyroidism with 19-Nor-1 alpha, 25 Dihydroxy vitamin D<sub>2</sub>. *AJKD* 32 (Suppl 2): S61-66, 1998.  
Gellens M, Martin KJ. Renovascular Hypertension. In: Teaching Atlas of Interventional Radiology: *Diagnostic and Therapeutic Angiography*. Thieme, New York: 21-27, 1999.

Hassan H, Bastani B, Gellens M. Successful Treatment of Normeperidine Neurotoxicity by Hemodialysis. *AJKD* 35: 1-5, 2000.

Otti T, Khajehdehi P, Fawzy A, Gellens M, Bastani B. Comparison of Blood Loss with Different High-Flux and High-Efficiency Hemodialysis Membranes. *Am J Nephrol* 21: 16-19, 2001.

Schmitz P, McCloud L, Reikes S, Leonard C, Gellens M. Prophylaxis of Hemodialysis Graft Thrombosis with Fish Oil: Double-Blind, Randomized, Prospective Trial. *J American Society of Nephrology* 13:184-190, 2002.

Bastani B, Rahman S, Gellens M. Lack of Reaction to Ferric Gluconate in Hemodialysis Patients with a History of Severe Reaction to Iron Dextran. *ASAIO Journal* (48) 4:404-406, 2002.

ABSTRACTS AND  
PRESENTATIONS:

George AL, Gellens ME, Kallen RG, and Barchi RL. Molecular cloning and chromosomal location of two human muscle voltage-gated sodium channels. 20<sup>th</sup> Annual Meeting, *Society for Neuroscience Abstracts*, 16: 184, 1990.

Barchi RL, Kallen RG, Sheng ZH, Yang J, George AL and Gellens ME. Na<sup>+</sup> channels: Cloning and Expression. Abstracts of the VII International Congress on Neuromuscular Diseases, *J Neurological Sciences*, 98:28, 1990.

Gellens ME, George AL, Chen L, Huang Q, Barchi RL and Kallen RG. Primary structure of a human cardiac sodium channel. *Biophysical Journal*, 35<sup>th</sup> Annual Meeting *Biophysical Society*, 59: 69a, 1991.

Domoto DT, Gellens ME. An outbreak of pyrogenic reactions in a hemodialysis unit. Presented at Forum of Ideas of ESRD Networks, November 15, 1993.

Lin EC, Gellens ME, and Goodgold HM. Prognostic Value of Renal Scintigraphy with TC 99m MAG 3 in patients with Acute Renal Failure. *J Nucl Med* 36: 232P, 1995.

Farrell J, Gellens ME. The Value of Ultrasonography in the Placement of Hemodialysis Access. *JASN* 7: A0801, 1996  
Presented at American Society of Nephrology Meeting, Minisymposium.

Farrell J, Gellens ME. Are Routine Chest X-Rays Required Post Placement of Acute Hemodialysis Internal Jugular Access? *JASN* 7: A0800, 1996.  
Poster Presentation at American Society of Nephrology Meeting.

Schmitz PG, TylerLD, Leonard CL, McCloud LK, Gellens ME. Dietary enrichment with fish oil inhibits vascular access thrombosis. *JASN* 8: 171A, 1997  
Presented at American Society of Nephrology Meeting, Free communication.

Otti T, Khajehdehi P, Gellens M, Bastani B. Comparison of the blood

loss with different high flux and high efficiency hemodialysis membranes. *JASN* 9: A1128, 1998.

Poster Presentation at the American Society of Nephrology Meeting.

Philipneri M, Gellens M. Epidural Abscess Associated with Vascular Access in Hemodialysis Patients with Bacteremia. *JASN* 10: A1090, 1999. Poster Presentation at the American Society of Nephrology Meeting.

Gussak HM, Gellens ME, Gussak I, Bjerregaard P. Q-T Interval Dispersion and its Arrhythmogenic Potential in Hemodialyzed Patients: Methodological Aspects. *Nephron* 82 (3): 278, 1999, letter.

Margassery S, Gellens M. Safety and Efficacy of Tissue Plasminogen Activator For Tunneled Catheter Clearance in an Outpatient Dialysis Unit. Poster Presentation at the National Kidney Foundation Annual Meeting, April 2001.

Sachdeva A, Gonzalez E, Gellens M, Reikes S, Martin K. High Prevalence of Vitamin D Deficiency in Patients on Hemodialysis. *JASN* 12: A4030, 2001. Poster Presentation at ASN 2001 Meeting.

Capling R, Aly A, Gellens M, Bander S, Martin K. Clinical Utility of LifeSite Dialysis Access Systems: Comparison of Outcomes between LifeSites and Tunneled Catheters. *JASN* 13: F-PO816, 2002. Poster Presentation at ASN 2002 Meeting.